

ABSTRACT OF THE DISCLOSURE

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A network management unit which builds and updates a network management model automatically and flexibly in accordance with changes made to the network of interest, so that network engineers can perform network management tasks more easily and efficiently. A network element information manager collects and manages network element information, including inner layer structure of each device constituting a network. A scenario manager manages scenarios for use in building a network management model. When a network construction request is received, a network management model builder builds or updates a network management model automatically, consulting the network element information in conjunction with an appropriate scenario retrieved from the scenario manager. The resultant network management model is saved in a network management model database.